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(58) Field of search
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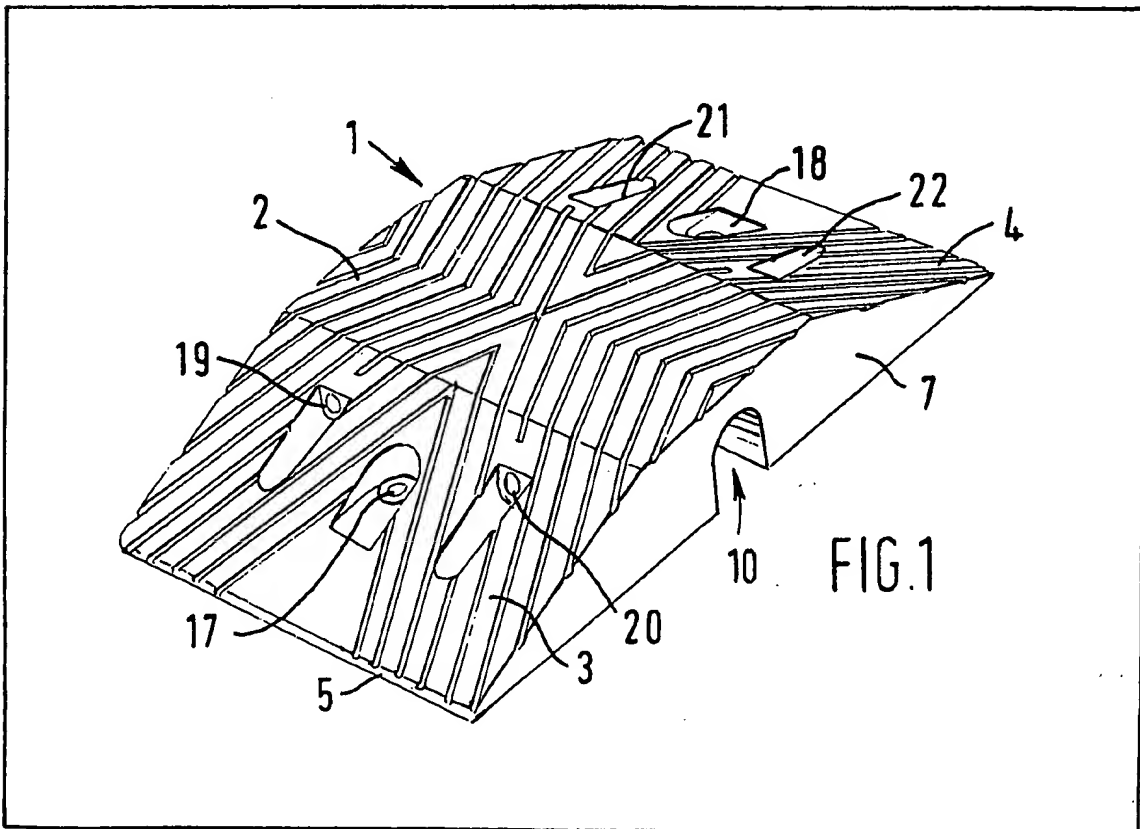
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(54) Portable road surface ramps

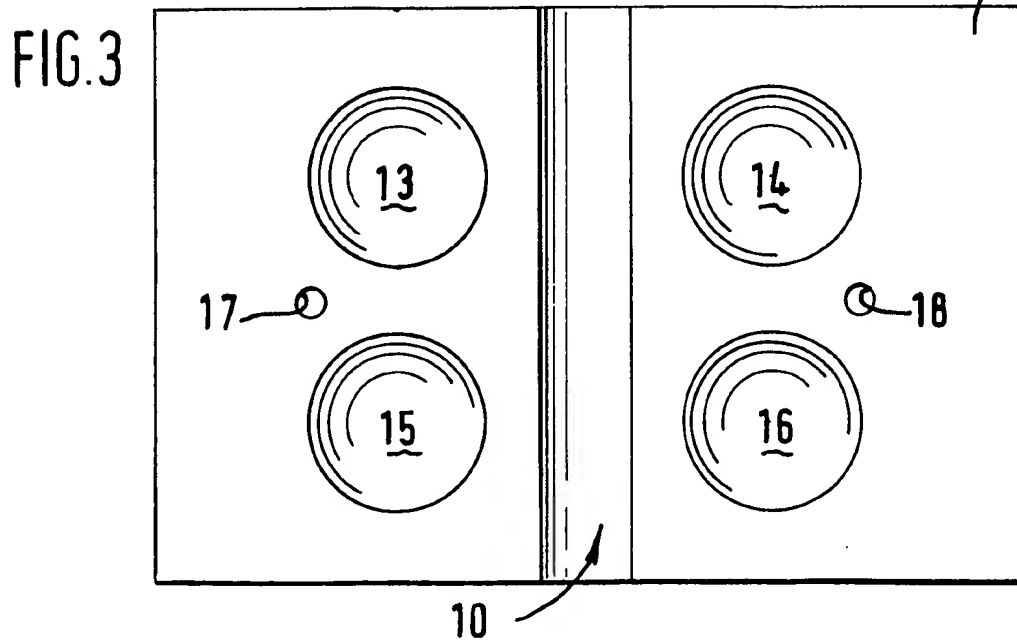
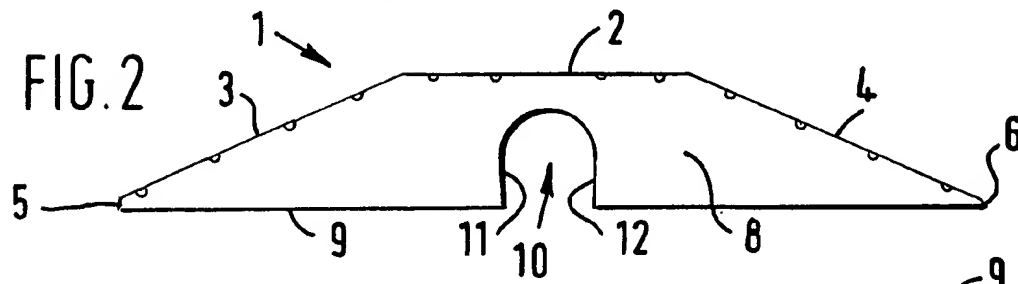
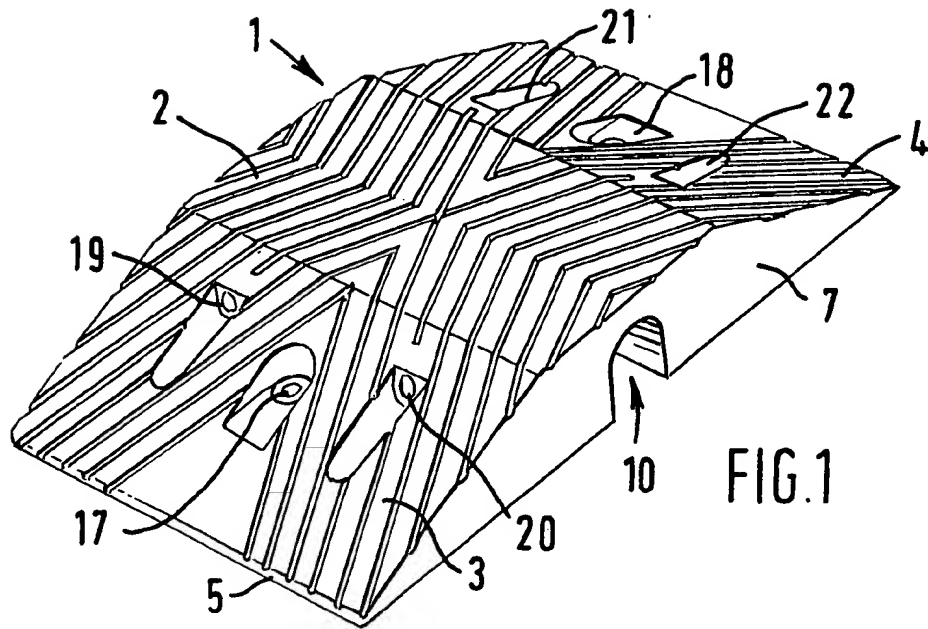
(57) A portable speed ramp is formed
of a series of blocks (1) of resilient
material with each block having a

substantially flat base and a generally
convex upper surface having a flat
central portion (2) and sloping end
ramps (3, 4). Grooves are provided in
the upper surface for grip and
drainage, and integral suction cups are
provided in the base to assist road
grip. Each block (1) carries reflectors
(19, 20, 21, 22) and holes for bolting
to a road surface if required. A base
recess (10) is shaped to grip a scaffold
pole coupling adjacent blocks in a
row.



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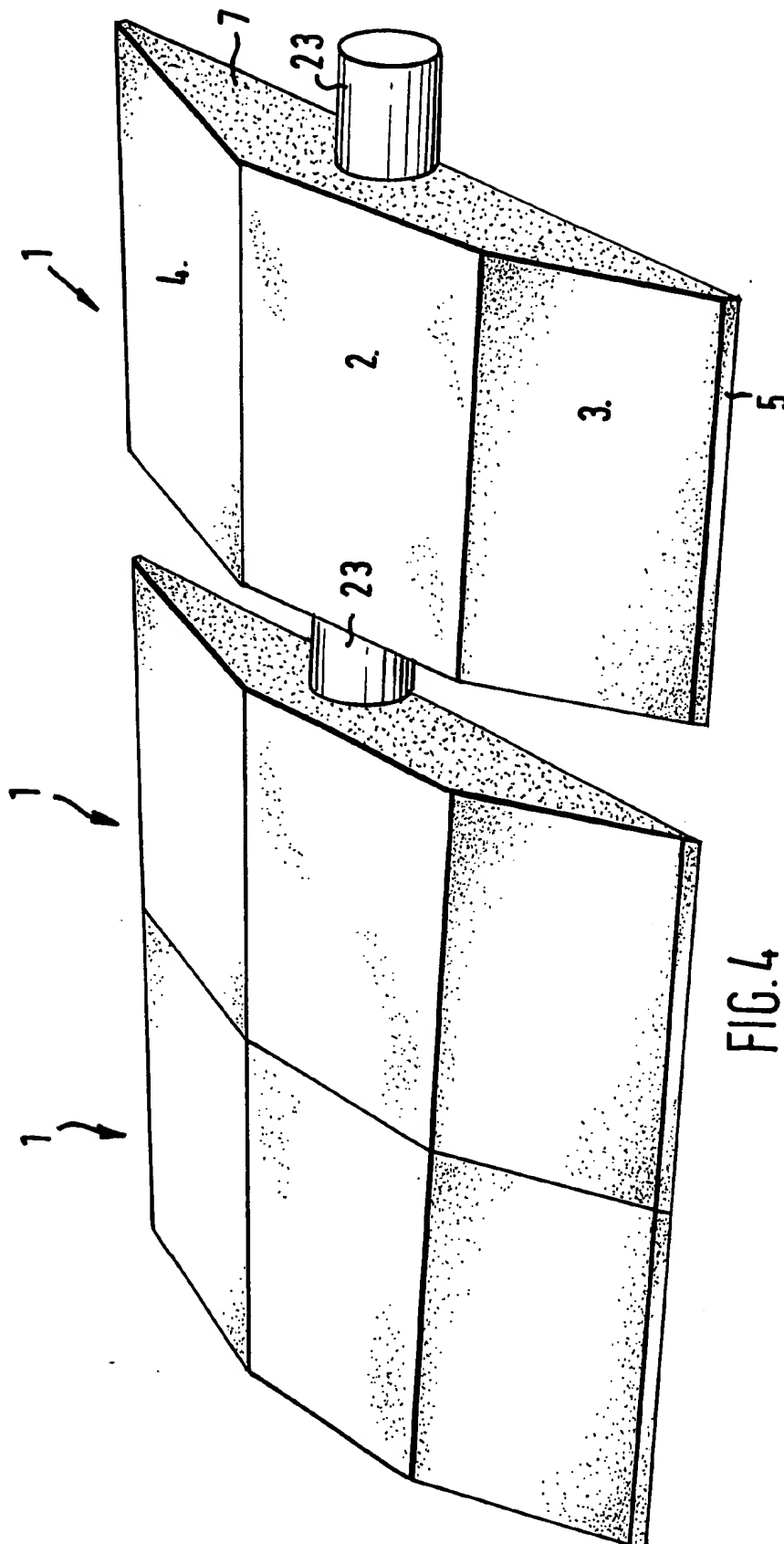


FIG. 4

SPECIFICATION

Portable anti-speed ramps

This invention relates to portable anti-speed ramps for roads, sometimes known as "sleeping policemen" and particularly relates to a unitary or modular construction.

In its broadest aspect the present invention seeks to provide a portable anti-speed ramp formed of a series of blocks of resilient material each having a substantially flat base and a generally convex upper surface and means to join blocks one to another or to a road surface.

Also according to the present invention a portable anti-speed ramp as specified above incorporates one or more of the following features, singly or in combination:—

- (i) a flat central upper surface portion with sloping, ramped ends;
- (ii) grooves provided in the upper surface for grip and drainage;
- (iii) suction cups provided in the base to assist road grip; and
- (iv) light reflecting means incorporated in each block.

The above and other features of the invention are illustrated by way of example in the Drawings wherein:—

Fig. 1 is a perspective view of a road ramp block in accordance with the invention,

Fig. 2 is a side elevation of the ramp block of Fig. 1,

Fig. 3 is an under plan of the ramp block of Fig. 1, and

Fig. 4 is a perspective sketch illustrating the assembly of a series of ramp blocks.

As shown by Figs. 1 to 3, a unit or module for an anti-speed road ramp consists of a block 1 of high impact rubber moulded to have a generally rectangular plan with a convex upper surface having a flat centre portion 2 with sloping end ramps 3 and 4 each tapering to a thin edge 5 and 6 respectively. The block 1 has plain vertical sides 7 and 8.

The underside 9 has a central transverse groove 10 shown (Fig. 2) to have slightly tapering side walls 11 and 12. Regularly spaced about this groove 10 are four moulded circular suction cups 13, 14, 15 and 16.

A pair of vertical bolt holes 17 and 18 are provided, one either side of the groove 10 and

between associated pairs of suction cups 13, 15 and 14, 16 respectively.

The entire upper surface of the block is shown to have deep V-grooves and each end ramp 3, 4 has embedded therein a pair of cats eyes (RTM) 19, 20 and 21, 22; the eyes acting to reflect generally horizontally.

The central groove 10 is of a size to accept a standard scaffolding pole 23 to enable a series of blocks to be joined one to the other, as illustrated in Fig. 4. The blocks are sufficiently weighty for such a series to remain in place on a road, assisted by the action of the suction cups. The bolt holes are provided to enable a more permanent installation by bolting some or all of the blocks to a road, using standard bolts. The scaffolding pole serves to align the blocks one with another and can also form a conduit for pipes, cables etc.

The height and shape of the blocks is designed to bring vehicle speeds safely down to a required level. The blocks visibility at night or in semi-darkness is improved by the cats eyes (RTM) and daytime visibility is improved by alternating standard black coloured blocks with similar blocks covered with a yellow surface coating.

The V grooves are provided to give extra grip for passing vehicles and for surface drainage.

Claims (Filed on 11 Aug 1982)

1. A portable anti-speed ramp formed of a series of blocks of resilient material, wherein each block has:—

- i) a substantially flat base and a generally convex upper surface, with a flat central portion and sloping end ramps;
- ii) grooves provided in the upper surface for grip and drainage;
- iii) integral suction cups provided in the base to assist road grip; and
- iv) incorporated light reflecting means; and means to join the blocks one to another and/or to a road surface.

2. A ramp as claimed in claim 1, wherein the light reflecting means are cats eyes (RTM) embedded in each end ramp and arranged to reflect light generally horizontally.

3. A portable anti-speed ramp substantially as described with reference to and as shown by the drawings.